



FIG. 1

2/18

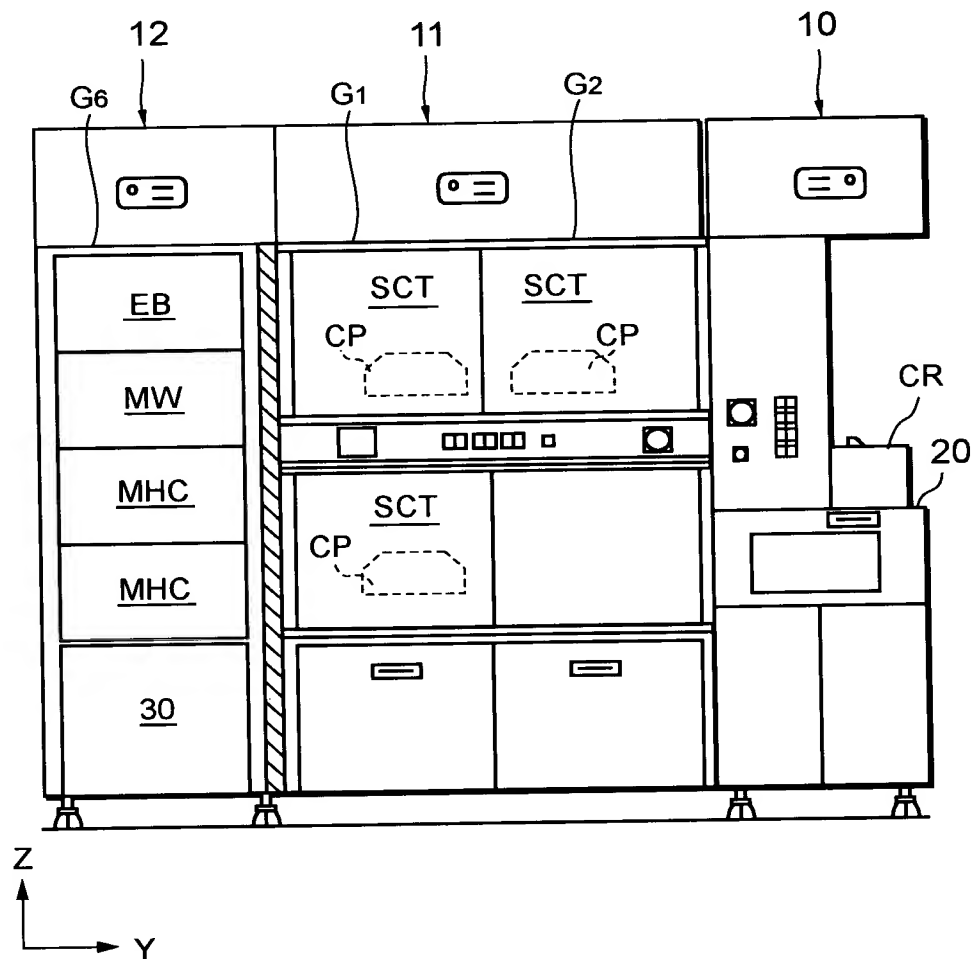


FIG.2

3/18

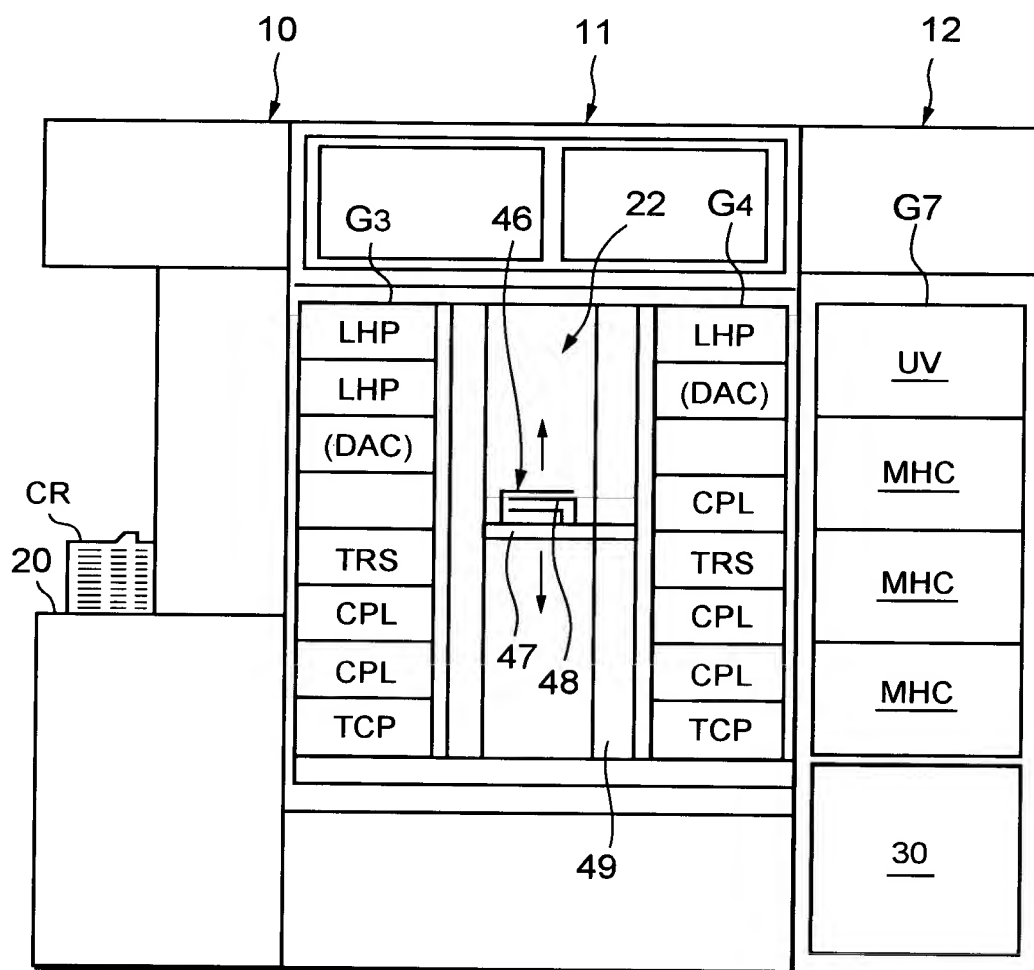


FIG.3

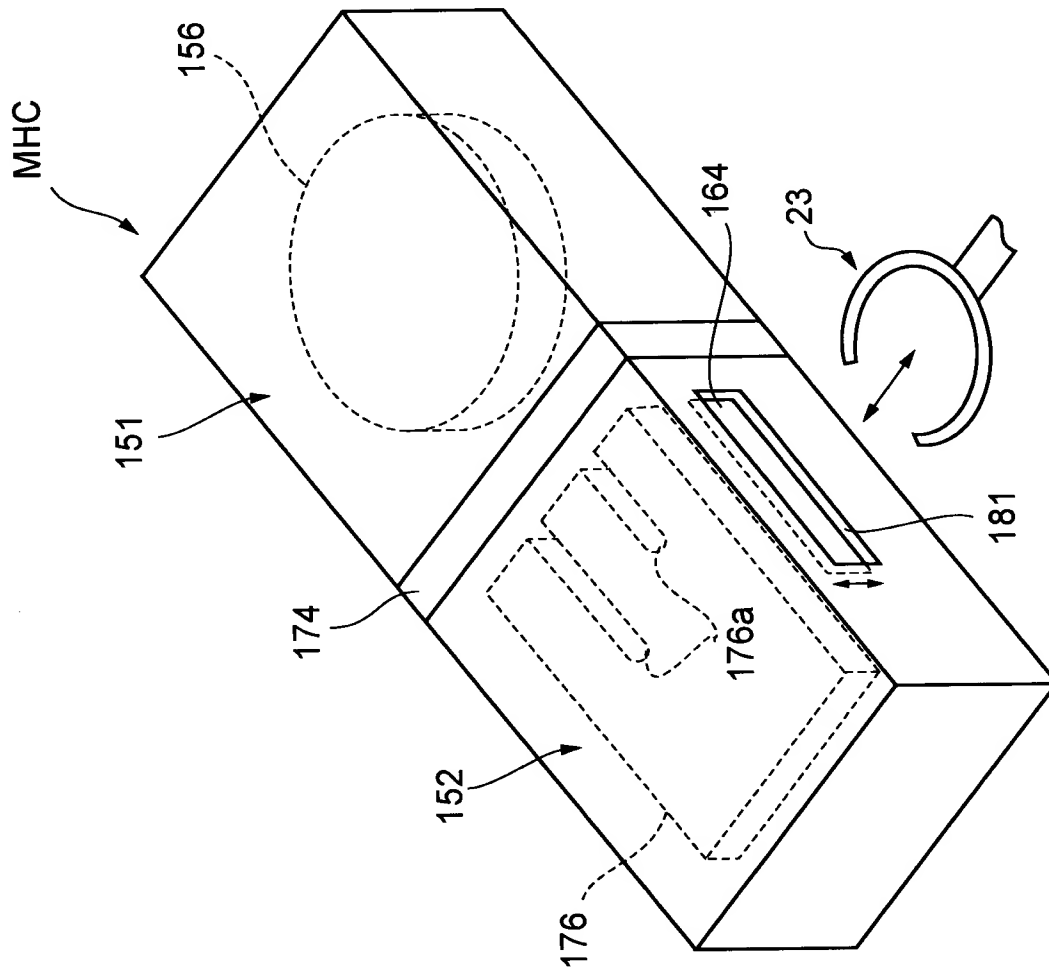


FIG. 4

5/18

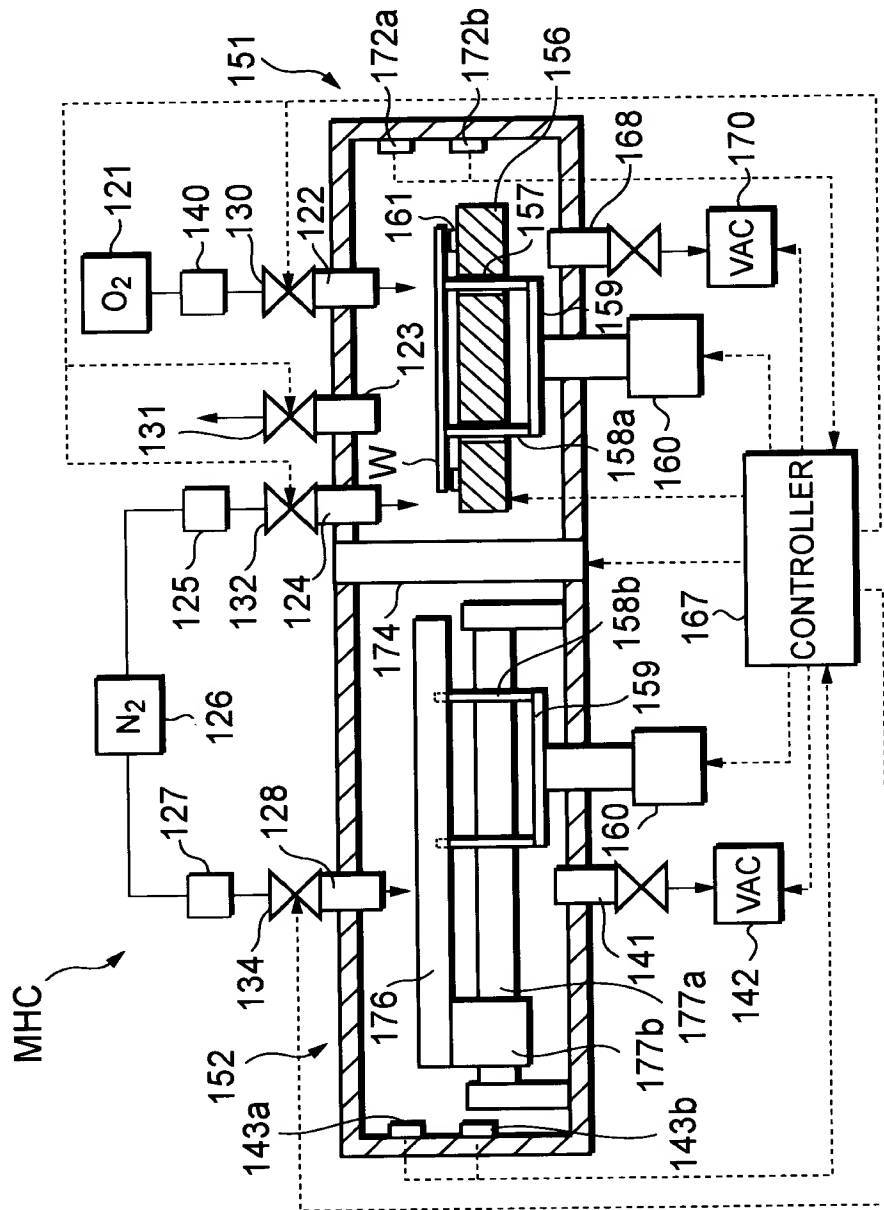


FIG.5

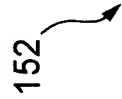


FIG. 6

7/18

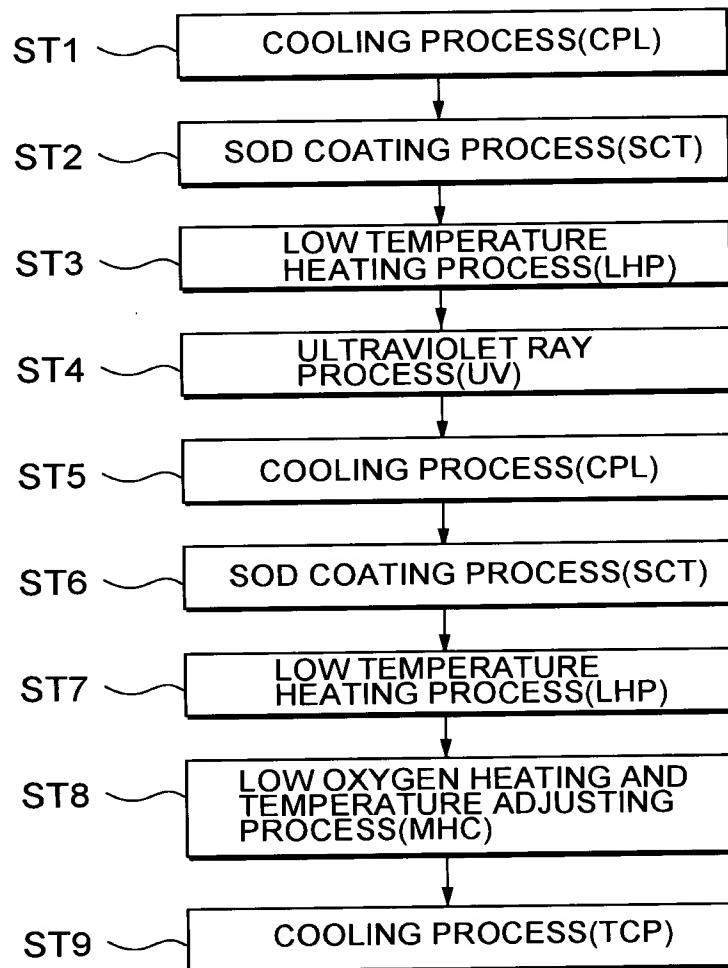
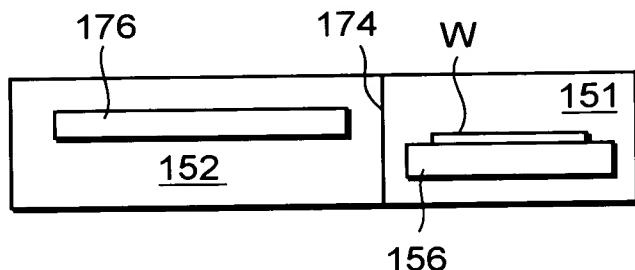


FIG.7

8 / 1 8



150°C
101300Pa
30sec

FIG. 8A

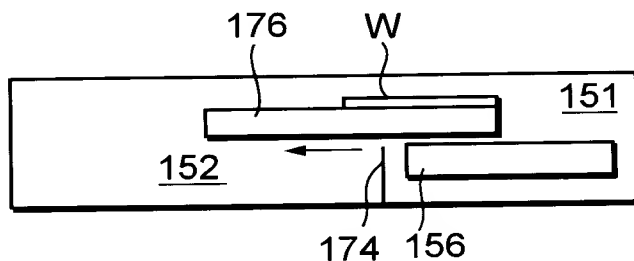
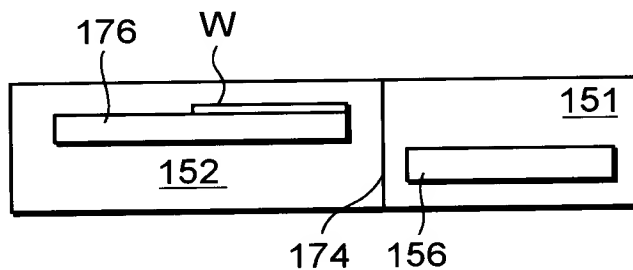


FIG. 8B



TEMPERATURE RAISED
PRESSURE REDUCED

FIG. 8C

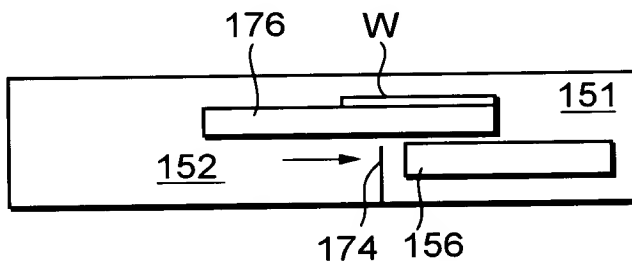
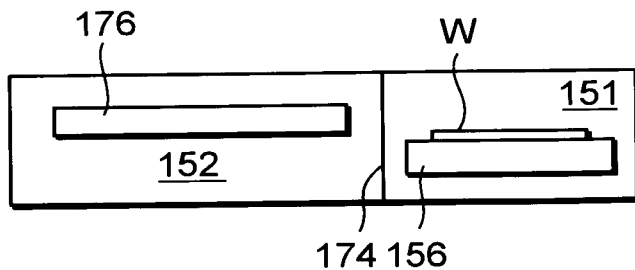


FIG. 8D



450°C
100Pa
20min

FIG. 8E

9 / 1 8

PROCESS CONDITION 1

TEMPERATURE(°C)	PRESSURE(Pa)	TIME PERIOD	PROCESS CHAMBER
150	101300	30sec	HEATING PROCESS CHAMBER 151
23	PRESSURE REDUCED	10sec	LOAD LOCK CHAMBER 152
450	100	20min	HEATING PROCESS CHAMBER 151

FIG.9

PROCESS CONDITION 2

TEMPERATURE(°C)	PRESSURE(Pa)	TIME PERIOD	PROCESS CHAMBER
160	101300	20sec	HEATING PROCESS CHAMBER 151
23	101300	10sec	LOAD LOCK CHAMBER 152
450	101300	15min	HEATING PROCESS CHAMBER 151
23	PRESSURE REDUCED	10sec	LOAD LOCK CHAMBER 152
600	100	10sec	HEATING PROCESS CHAMBER 151

FIG.10

PROCESS CONDITION 3

TEMPERATURE(°C)	PRESSURE(Pa)	TIME PERIOD	PROCESS CHAMBER
180	PRESSURE REDUCED	20sec	LOAD LOCK CHAMBER 152
450	100	25min	HEATING PROCESS CHAMBER 151
23	PRESSURE RAISED	10sec	LOAD LOCK CHAMBER 152

FIG.11

10/18

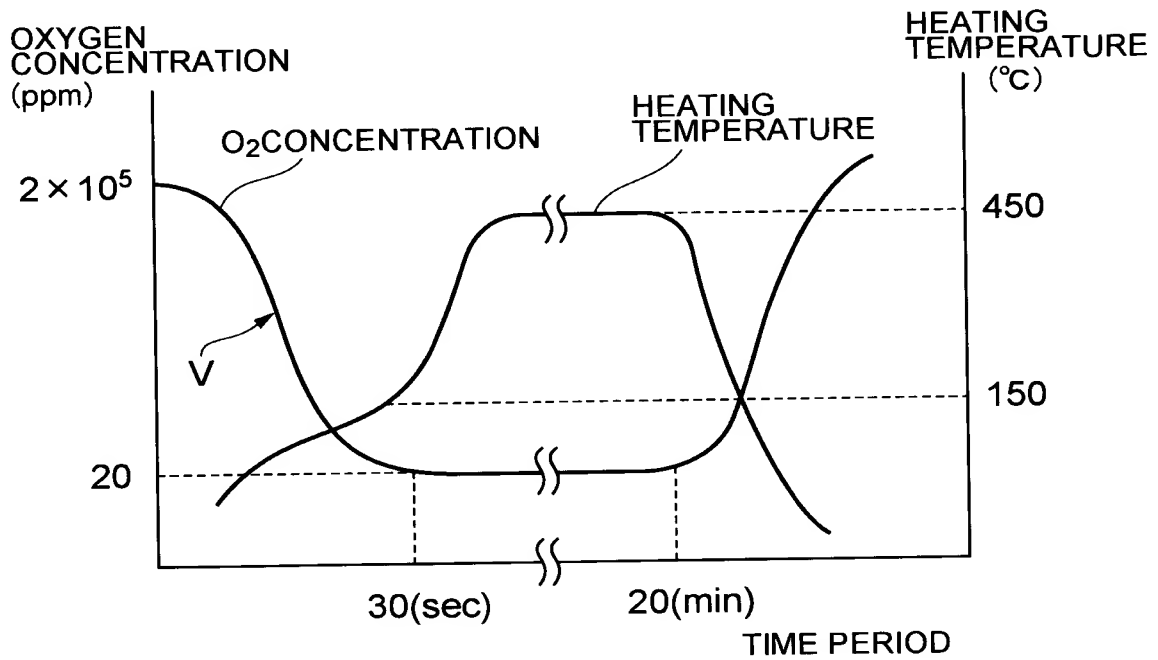


FIG.12

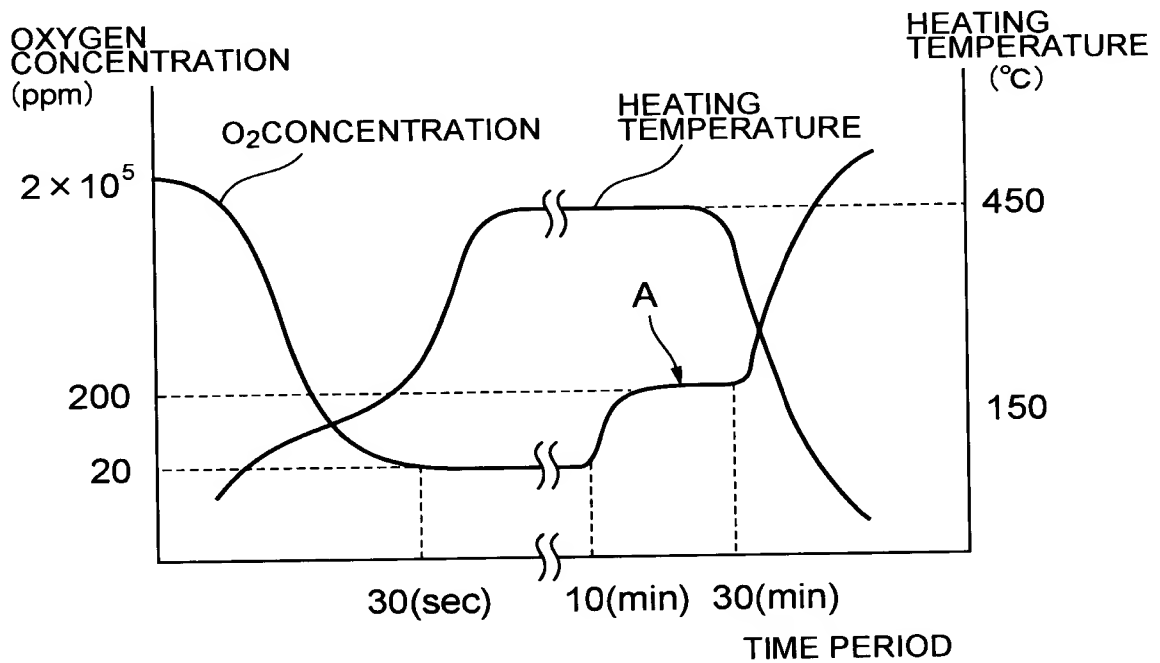


FIG.13

11/18

PROCESS CONDITION 3

TEMPERATURE(°C)	PRESSURE(Pa)	TIME PERIOD	PROCESS CHAMBER
150	PRESSURE REDUCED	20sec	LOAD LOCK CHAMBER 152
450	133	25min	HEATING PROCESS CHAMBER 151
23	PRESSURE RAISED	20sec	LOAD LOCK CHAMBER 152 (OXYGEN SPRAYED)

FIG.14

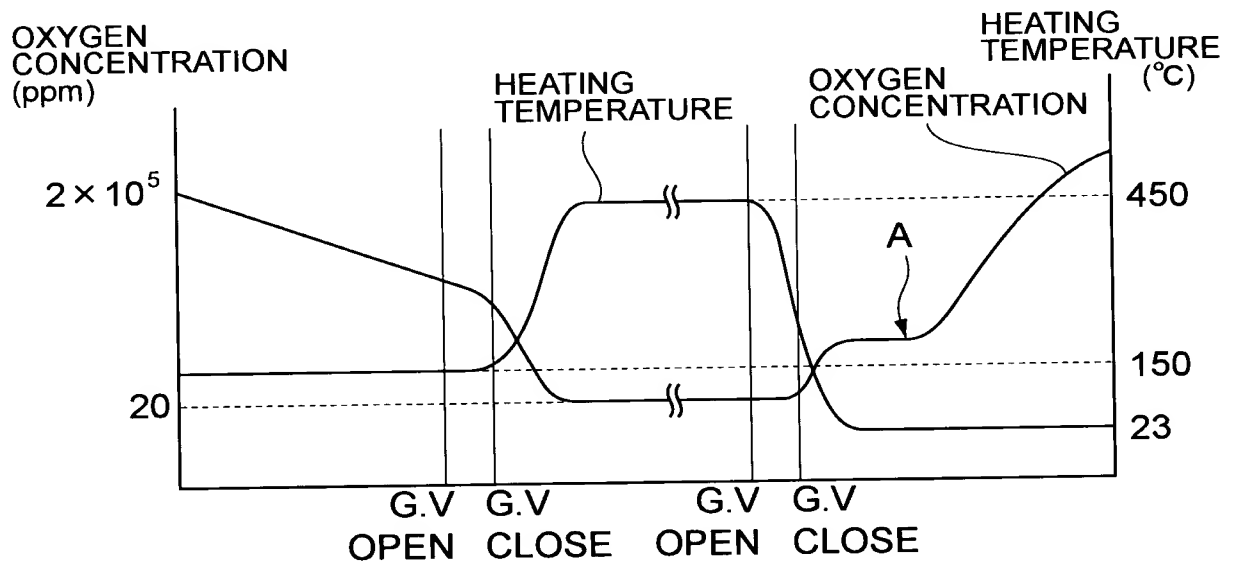


FIG.15

12/18

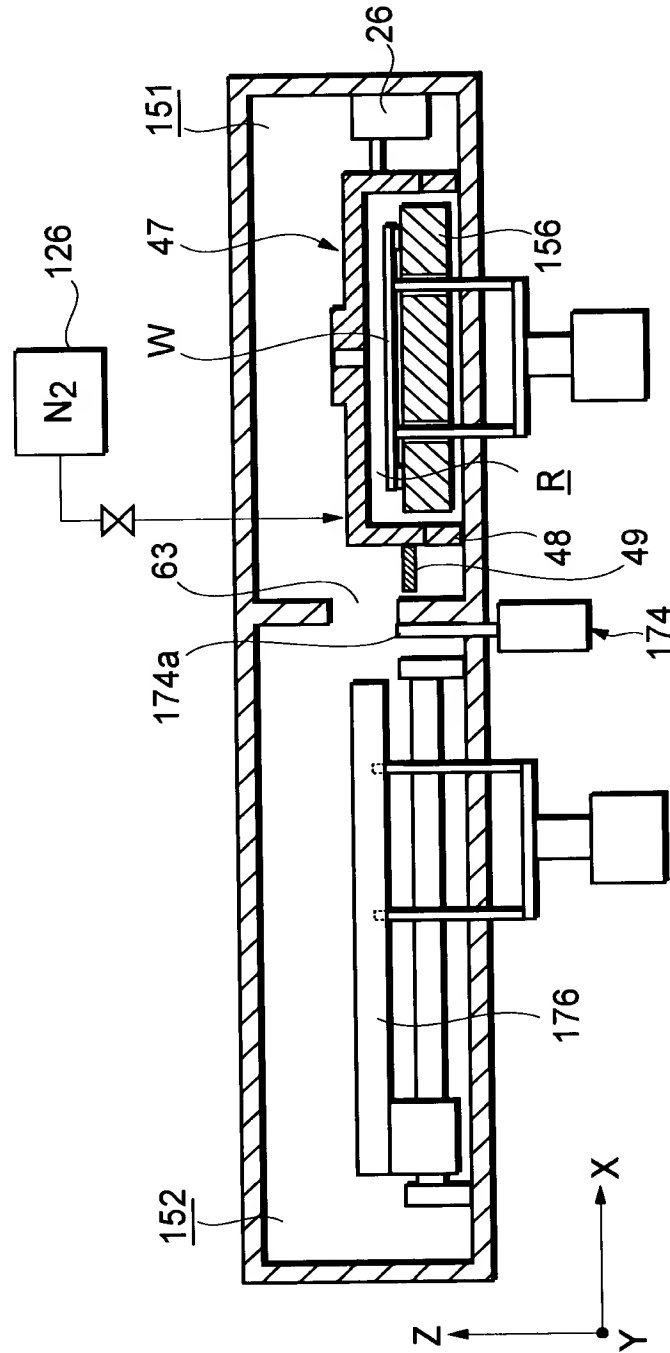


FIG.16

13/18

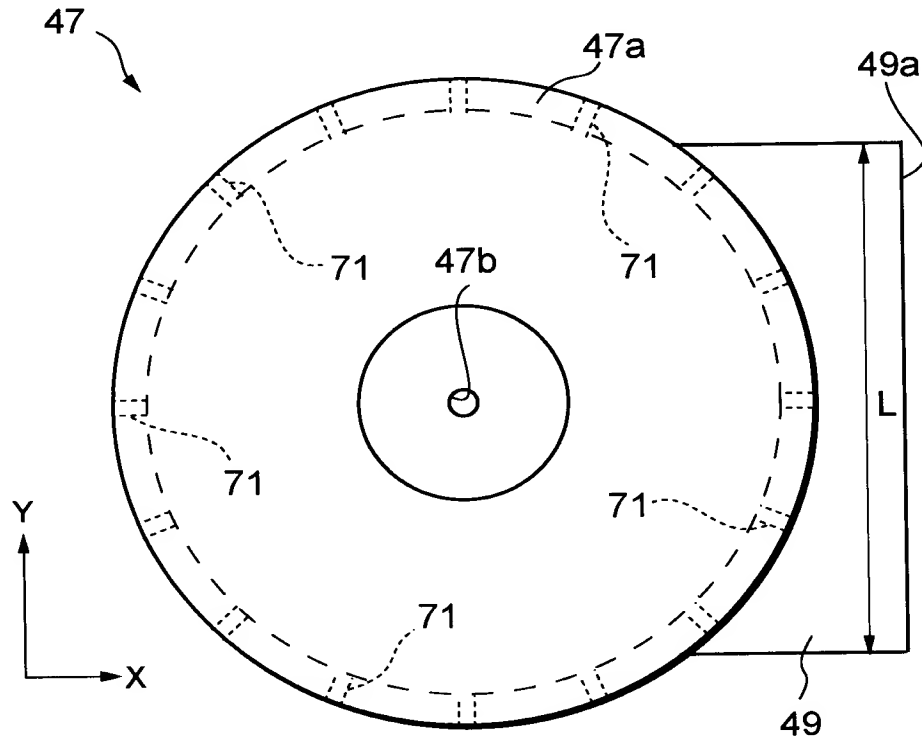


FIG. 17

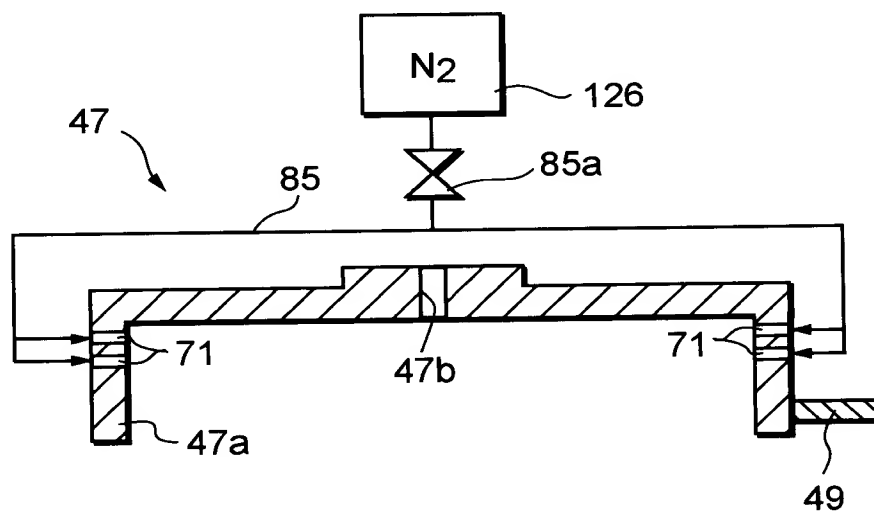


FIG. 18

14/18

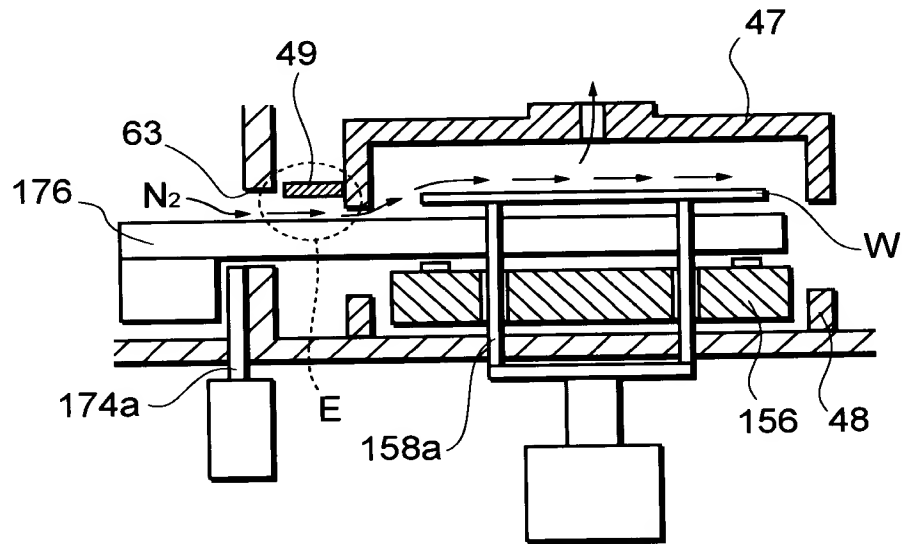


FIG.19A

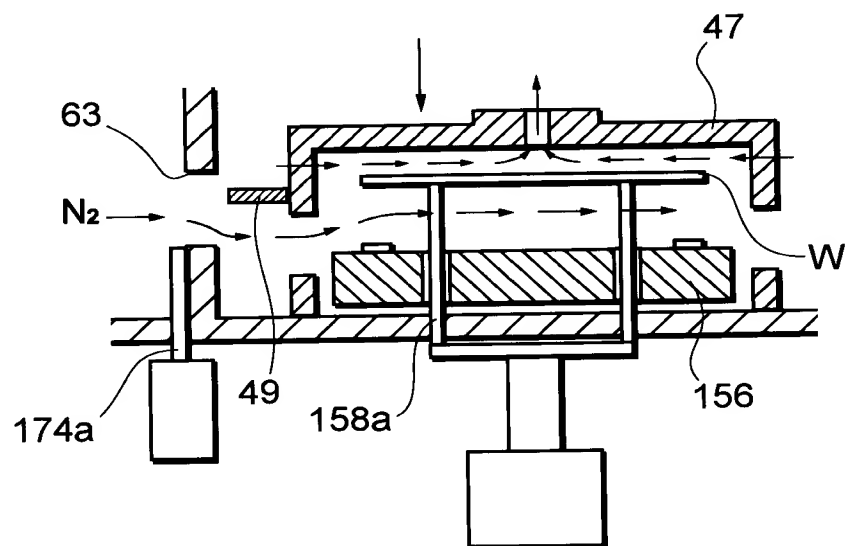


FIG.19B

15/18

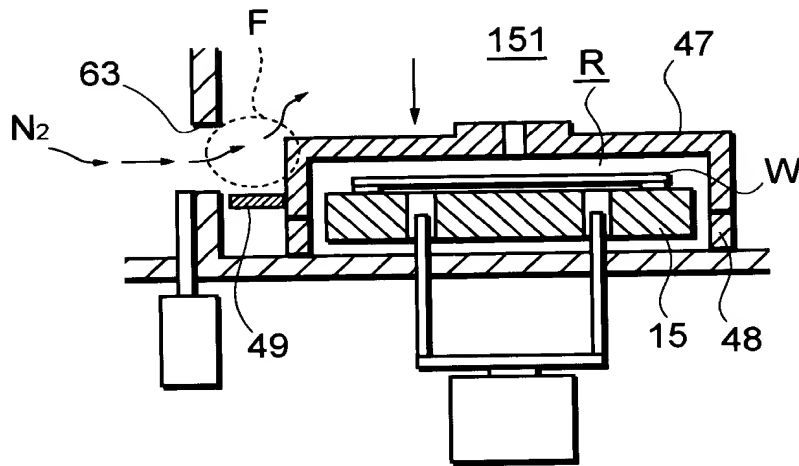


FIG. 20

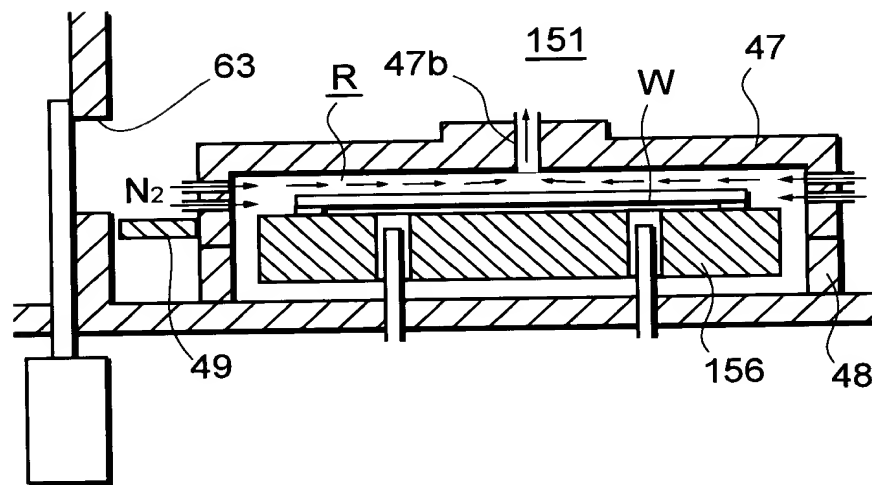


FIG. 21

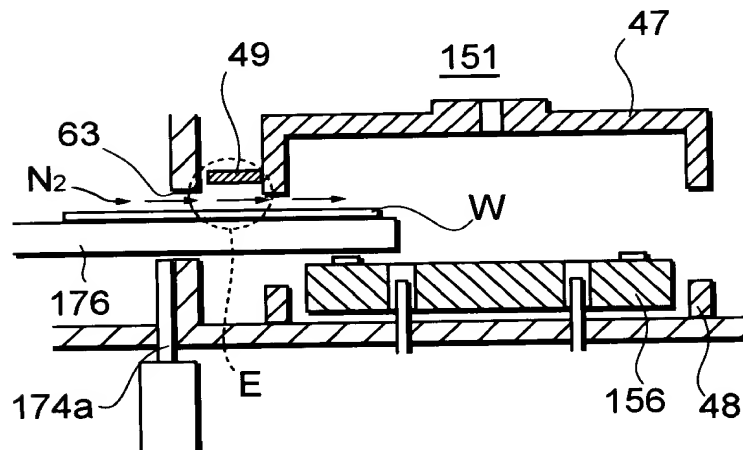


FIG. 22

16/18

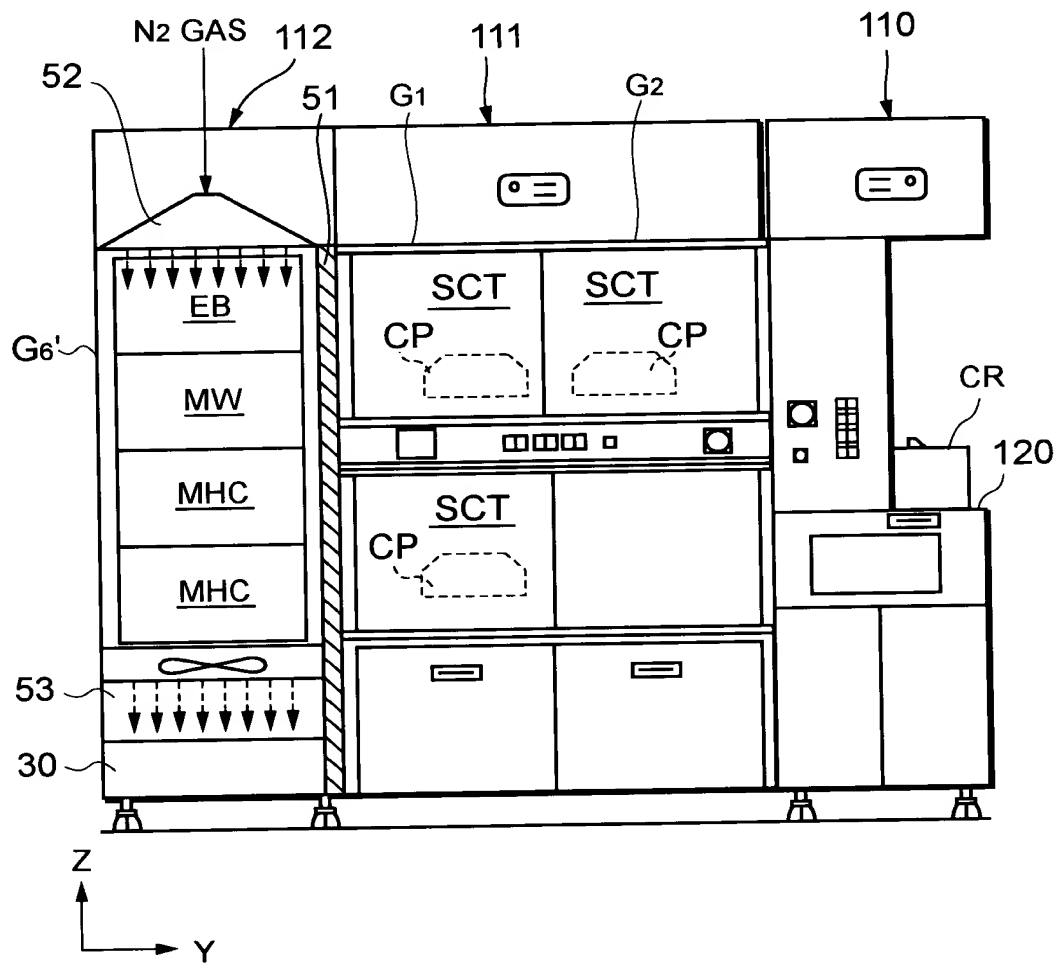


FIG.23

17/18

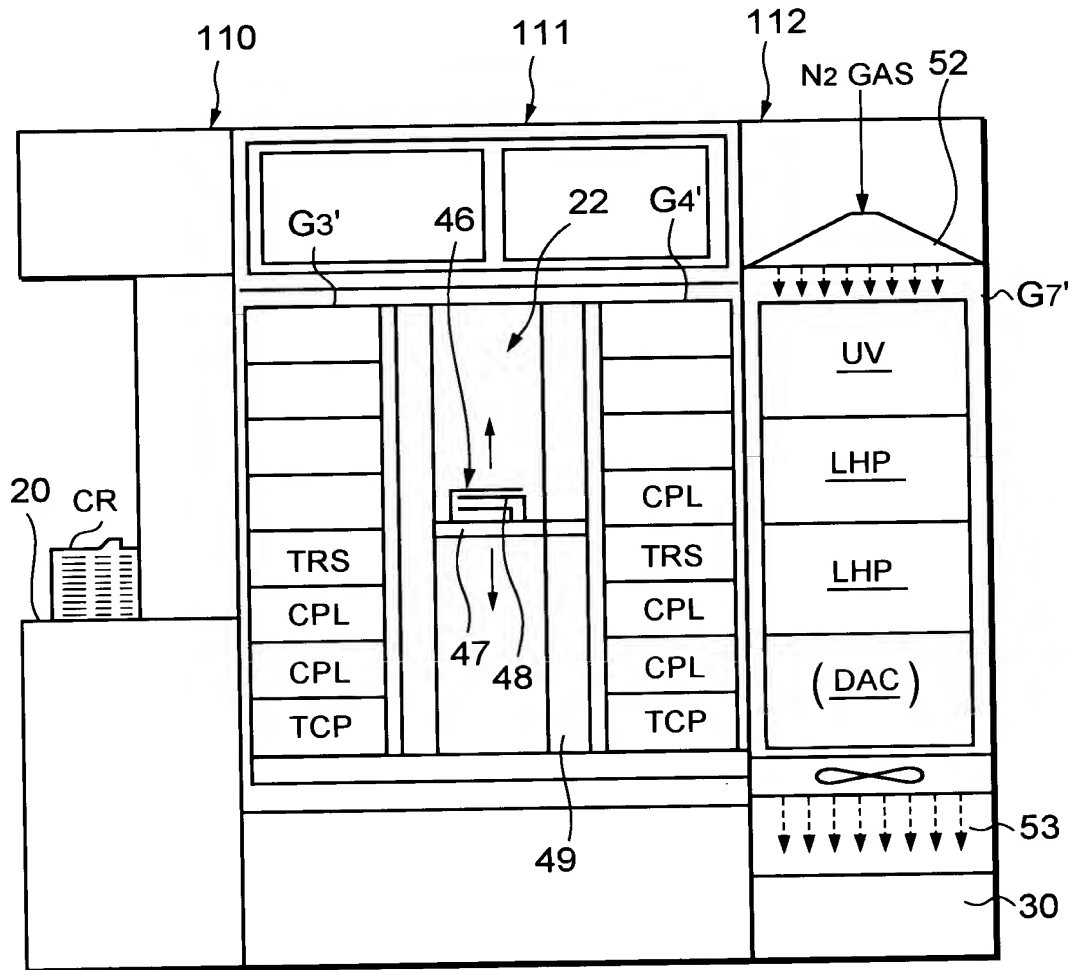


FIG.24

18/18

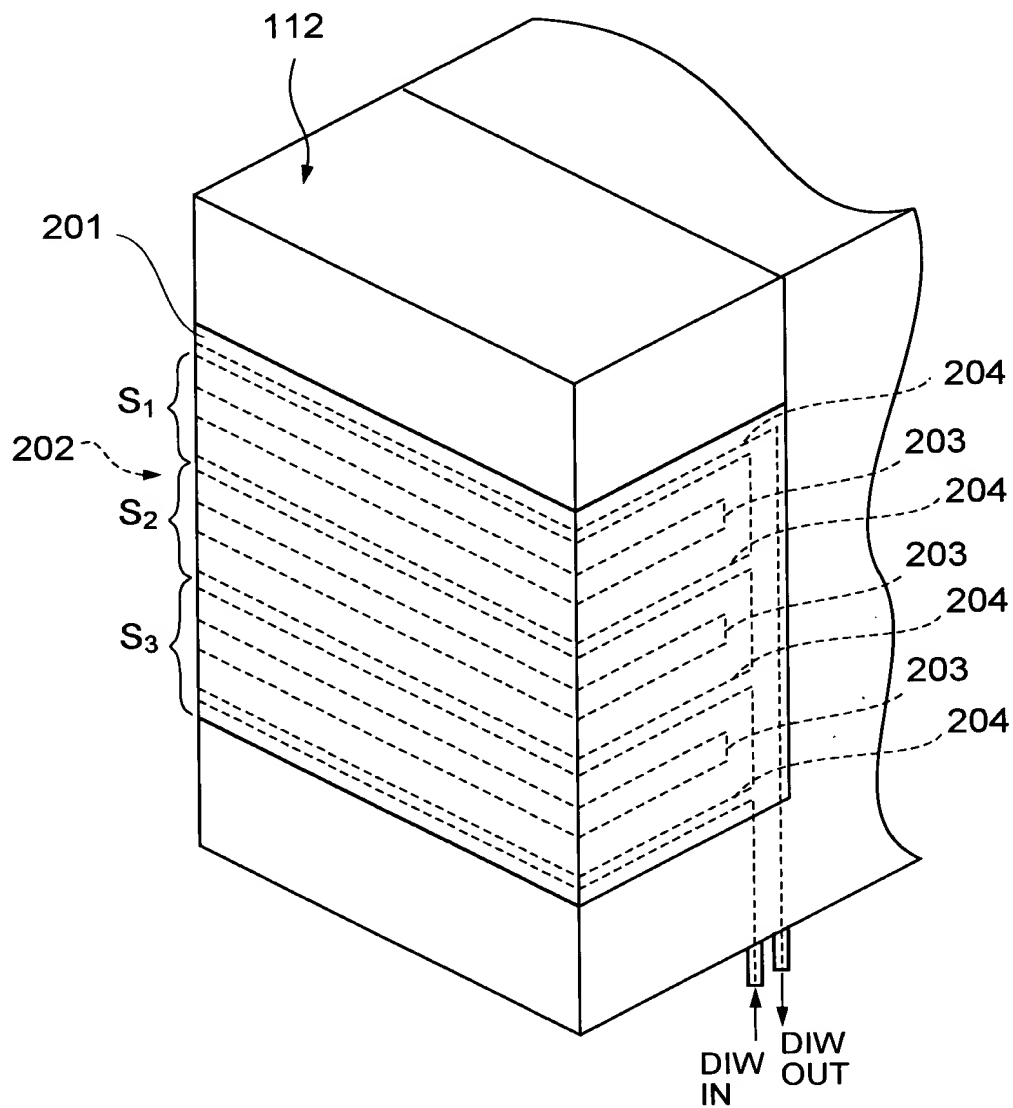


FIG.25